

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E71456

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Frederickson

Survey Type : Online

Street : 18001 Se Canyon Rd E

Response Rate : 44%

Jurisdiction : Unincorporated Pierce County

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 4.3%

Drive Alone Rate : 95.7%

One-Way VMT per employee : 15.7

Average One-Way distance home to work : 16.1

Employees and Survey Response Information

Reported Total Employees at Worksite : 1,447

Surveys Distributed : 852

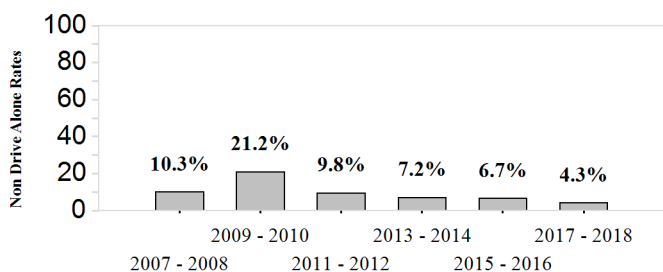
Surveys Returned : 372

Surveys Returned by CTR Affected* Employees : 280

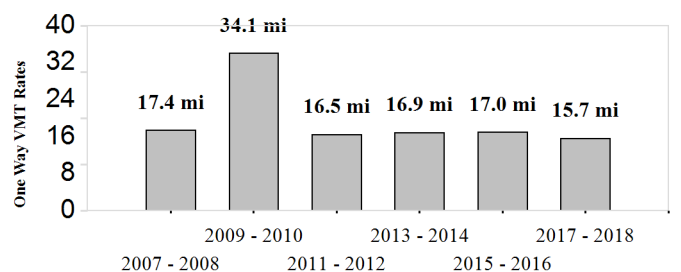
Total Estimated CTR Affected Employees at Worksite : 641

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

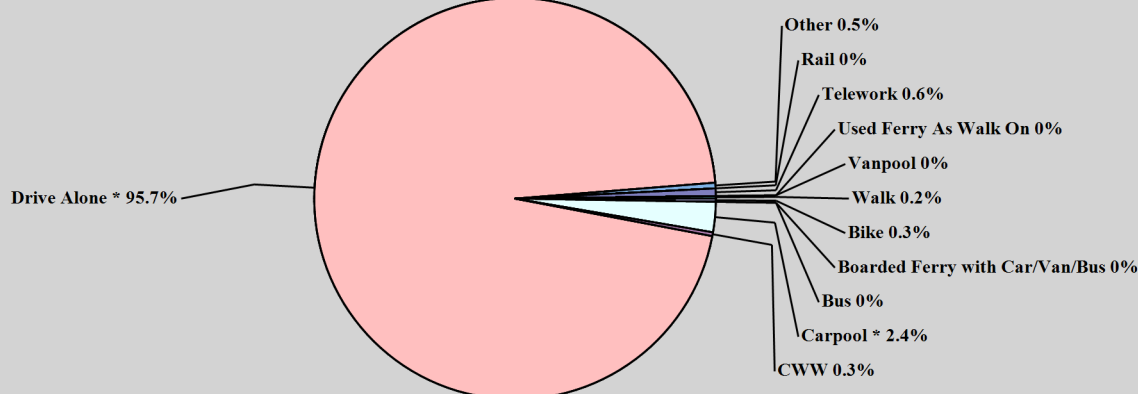
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	10.3%	10.5%	4346	6691	40.8	17.4	16.7
2009 - 2010	8.9%	9.8%	1313	5290	32.2	16.8	18.1
2009 - 2010	12.3%	12.3%	2641	6446	39.3	17.3	17.3
2011 - 2012	9.8%	6.8%	931	6163	37.6	16.5	17.5
2013 - 2014	7.2%	5.6%	2642	6651	40.5	16.9	16.9
2015 - 2016	6.7%	6.1%	3126	6552	39.9	17.0	17.0
2017 - 2018	4.3%	4.4%	1375	5347	32.6	15.7	15.4
Target	16.3%				Target:	14.3	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-6.0				% Change from Baseline:	-9.8%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



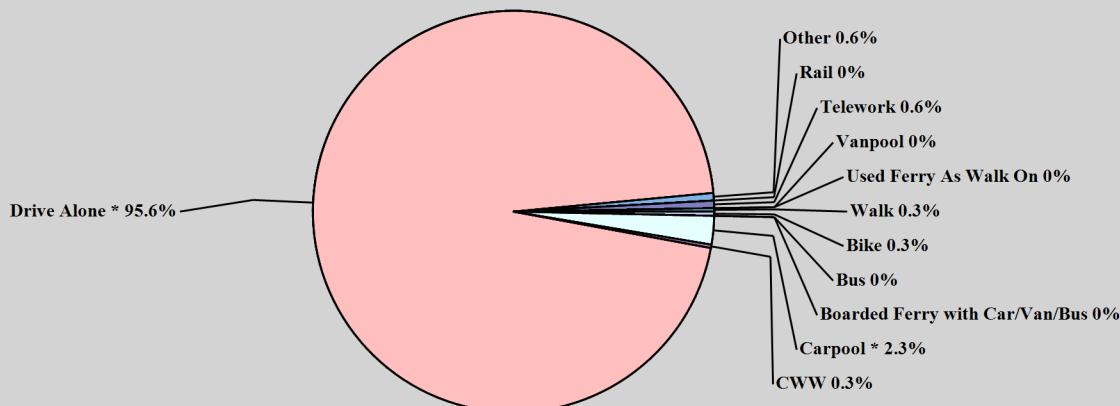
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,888	95.7%	93.3%	364	97.9%	98.6%
Carpool *	48	2.4%	4.0%	10	2.7%	5.4%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	0	0.0%	0.0%	0	0.0%	0.3%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	5	0.3%	0.2%	3	0.8%	0.4%
Walk	4	0.2%	0.2%	2	0.5%	0.4%
Telework	12	0.6%	0.2%	9	2.4%	0.5%
CWW	6	0.3%	0.3%	6	1.6%	0.9%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.3%	0	0.0%	0.3%
Used Ferry As Walk On	0	0.0%	0.2%	0	0.0%	0.1%
Other	9	0.5%	1.3%	2	0.5%	1.6%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,416	95.6%	93.9%	273	97.5%	99.2%
Carpool *	34	2.3%	3.7%	7	2.5%	5.1%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	0	0.0%	0.0%	0	0.0%	0.3%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	5	0.3%	0.0%	3	1.1%	0.3%
Walk	4	0.3%	0.5%	2	0.7%	0.8%
Telework	9	0.6%	0.3%	6	2.1%	1.0%
CWW	4	0.3%	0.5%	4	1.4%	1.5%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.2%	0	0.0%	0.3%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	9	0.6%	0.7%	2	0.7%	1.0%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	342	92%	372	100%
1 Days	15	4%	30	8%
2 Days	1	0%	15	4%
3 Days	3	1%	14	4%
4 Days	1	0%	11	3%
5 Days	7	2%	10	3%
6 or More Days	3	1%	3	1%

Count by Occupancy of Carpools and Vanpools

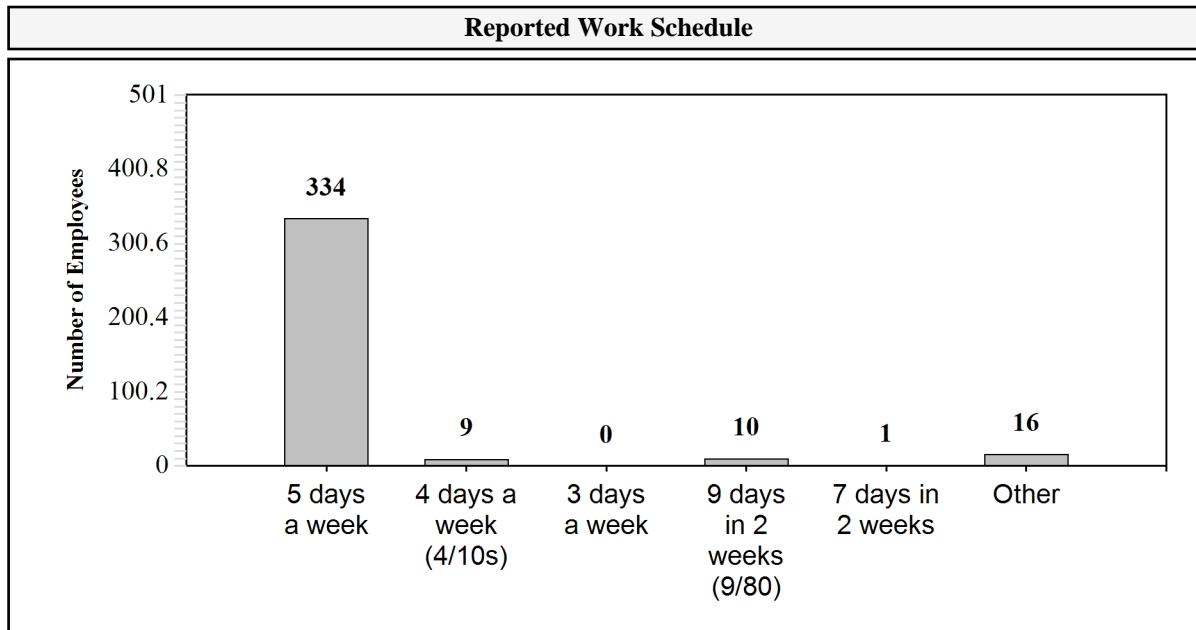
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	48
3	Carpool	0
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

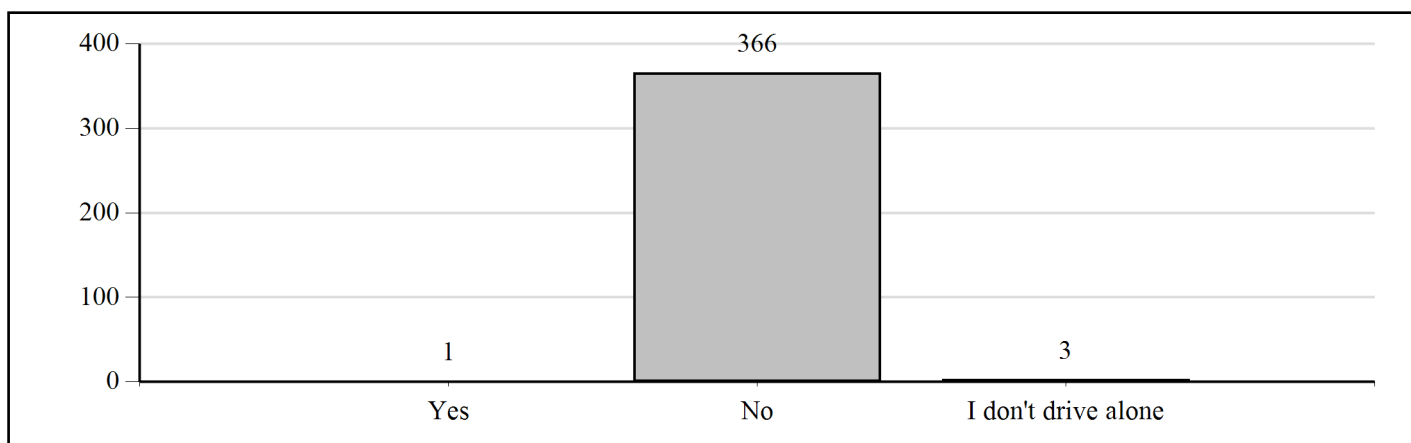
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	334	90.3%
4 days a week (4/10s)	9	2.4%
3 days a week	0	0%
9 days in 2 weeks (9/80)	10	2.7%
7 days in 2 weeks	1	0.3%
Other	16	4.3%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.3%
I don't telework	315	84.7%
Occasionally, on an as-needed basis	46	12.4%
1-2 days/month	4	1.1%
1 day/week	4	1.1%
2 days/week	2	0.5%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Other	99	21.0%
To save money	86	18.3%
Financial incentives for carpooling, bicycling or walking.	47	10.0%
Personal health or well-being	47	10.0%
To save time using the HOV lane	38	8.1%
I have the option of teleworking	36	7.6%
Environmental and community benefits	34	7.2%
Emergency ride home is provided	22	4.7%
Free or subsidized bus, train, vanpool pass or fare benefit	19	4.0%
Driving myself is not an option	18	3.8%
Cost of parking or lack of parking	14	3.0%
Preferred/reserved carpool/vanpool parking is provided	7	1.5%
I receive a financial incentive for giving up my parking space	4	0.8%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	232	27.4%
My commute distance is too short	157	18.5%
Riding the bus or train is inconvenient or takes too long	144	17.0%
Family care or similar obligations	94	11.1%
Other	89	10.5%
Bicycling or walking isn't safe	64	7.6%
My job requires me to use my car for work	39	4.6%
I need more information on alternative modes	21	2.5%
There isn't any secure or covered bicycle parking	7	0.8%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98338	47	12.63%	250	5	0	0	0	0	0	0	1	1	0	0	0
98374	33	8.87%	142	12	0	0	0	0	0	0	1	0	0	0	0
98387	31	8.33%	167	5	0	0	0	0	1	0	0	0	0	0	0
98375	22	5.91%	113	0	0	0	0	0	0	0	0	1	0	0	0
98391	16	4.30%	82	0	0	0	0	0	0	0	2	0	0	0	0
98373	15	4.03%	87	0	0	0	0	0	0	0	2	0	0	0	0
98372	13	3.49%	55	0	0	2	0	0	1	0	0	0	0	0	0
98321	12	3.23%	64	0	0	0	0	0	0	0	0	0	0	0	0
98023	10	2.69%	54	0	0	0	0	0	0	0	0	0	0	0	0
98360	10	2.69%	50	0	0	0	0	0	0	0	0	0	0	0	0
98580	9	2.42%	47	0	0	6	0	0	0	0	0	0	0	0	0
98092	8	2.15%	38	5	0	0	0	0	0	0	0	0	0	0	0
98371	8	2.15%	43	0	0	0	0	0	0	0	0	1	0	0	0
98445	8	2.15%	35	0	0	1	0	0	3	2	0	0	0	0	0
98446	8	2.15%	33	0	0	3	0	0	0	2	0	0	0	0	2
98597	8	2.15%	41	0	0	0	0	0	0	0	0	0	0	0	0
98022	7	1.88%	36	0	0	0	0	0	0	0	3	0	0	0	0
98444	7	1.88%	33	0	0	4	0	0	0	0	0	0	0	0	0
98001	6	1.61%	32	0	0	0	0	0	0	0	0	0	0	0	0
98328	6	1.61%	27	0	0	0	0	0	0	0	0	0	0	0	7
98367	5	1.34%	28	3	0	0	0	0	0	0	0	0	0	0	0
98407	5	1.34%	27	0	0	0	0	0	0	0	0	0	0	0	0
98466	5	1.34%	27	0	0	0	0	0	0	0	0	0	0	0	0
98003	4	1.08%	17	5	0	0	0	0	0	0	0	0	0	0	0
98406	4	1.08%	18	0	0	5	0	0	0	0	0	0	0	0	0
98498	4	1.08%	21	0	0	0	0	0	0	0	0	1	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98031	3	0.81%	15	0	0	0	0	0	0	0	0	0	0	0	0
98042	3	0.81%	15	0	0	0	0	0	0	0	0	0	0	0	0
98332	3	0.81%	14	0	0	0	0	0	0	0	1	0	0	0	0
98356	3	0.81%	11	3	0	0	0	0	0	0	0	0	0	0	0
98422	3	0.81%	14	0	0	0	0	0	0	0	1	0	0	0	0
98516	3	0.81%	14	0	0	0	0	0	0	0	0	1	0	0	0
98030	2	0.54%	11	0	0	0	0	0	0	0	0	0	0	0	0
98038	2	0.54%	10	0	0	0	0	0	0	0	0	0	0	0	0
98323	2	0.54%	8	0	0	0	0	0	0	0	1	0	0	0	0
98329	2	0.54%	8	5	0	0	0	0	0	0	0	0	0	0	0
98330	2	0.54%	7	5	0	0	0	0	0	0	0	0	0	0	0
98354	2	0.54%	11	0	0	0	0	0	0	0	0	1	0	0	0
98418	2	0.54%	11	0	0	0	0	0	0	0	0	0	0	0	0
98443	2	0.54%	12	0	0	0	0	0	0	0	0	0	0	0	0
98467	2	0.54%	10	0	0	0	0	0	0	0	0	0	0	0	0
98501	2	0.54%	10	0	0	0	0	0	0	0	0	0	0	0	0
98513	2	0.54%	10	0	0	0	0	0	0	0	0	0	0	0	0
98006	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98032	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98047	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98058	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98059	1	0.27%	7	0	0	0	0	0	0	0	0	0	0	0	0
98118	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98351	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98366	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98385	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98388	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98390	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98405	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98408	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98465	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98499	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98564	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98570	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98576	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98584	1	0.27%	7	0	0	0	0	0	0	0	0	0	0	0	0
98589	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0
98674	1	0.27%	5	0	0	0	0	0	0	0	0	0	0	0	0